

BATHING TOOL FOR SECURING A CLEANING OBJECT BY A FIXING OBJECT

FIELD OF THE INVENTION

The present invention relates to a bathing tool for securing a
5 cleaning object by a fixing object, more particularly to a structure
for effectively securing a cleaning object by a fixing object for
taking baths.

BACKGROUND OF THE INVENTION

Taking a bath, soap bubbles alone is unable to efficiently
10 remove dirt from our body. The cuticle cells attached to the
surface of the skin require a bathing tool to clean our skin
effectively. Furthermore, our hands produce some oil or grease,
which obstructs production of bubbles. Therefore, designing
bathing tools generally includes meshes, which can give smaller
15 bubbles and efficiently uses the soap to clean our body skin.

Present bathing tools roughly divide into meshed bath balls or
body sponges. After bathing, the tools need rinsing and drying to
prevent contamination. Therefore, a bathing tool usually comes
with a fixing object to hold the bathing tool when taking a bath, and
20 afterwards hang at an appropriate dry place. However, the present
way of attaching to the fixing object is improper, because it is
necessary to make a hole in the sponge and pass the fixing object
through the hole. When taking a bath, the user generally squeezes
the sponge to produce a substantial deformation, and thus may
25 break the meshed structure near the hole damaging the sponge.

To solve such a problem, bathing tool manufacturers usually adopt washed unwoven cloth to wrap around the body sponge. Such arrangement not only reduces the deformation of the sponge, but also improves the cotton texture by the loose lines and excellent breathability of washed unwoven cloth. However, the way of fixing it with a fixing object is yet to improve; the sponge still has a hole for the attachment. The washed unwoven cloth separating sponge from fixing object can only delay the damage to the sponge. If users (particularly children) pull the bath tool too much, the body sponge damages and the washed unwoven cloth will be torn.

SUMMARY OF THE INVENTION

The primary objective of the present invention is to solve the aforementioned problems and eliminate the drawbacks of cited prior art. The present invention eliminates the shortfalls of passing the fixing object through the cleaning object. Upper and lower contacting members (washed unwoven cloth) combine with the cleaning object (body sponge), such that the cleaning object is compressed to form an accommodating space. The fixing object can be secured into position simultaneously to enhance the effect of securing the fixing object, and prevent the cleaning object from being pulled and damaged improperly.

BRIEF DESCRIPTION OF THE DRAWINGS

The details and technical contents of this invention will be described together with the following figures:

FIG. 1 is a perspective diagram of the appearance of the present

invention.

FIG. 2 is an illustrative diagram of the fixing object encompassing the cleaning object according to the present invention.

FIG. 3 is an illustrative diagram of the upper and lower contacting members being combined together according to the present invention.

FIG. 4 is an illustrative diagram of combined structure of the present invention.

FIG. 5 is a cross-sectional diagram of the position 5-5 as shown in FIG. 4.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please refer to FIG. 1 for the illustrative diagram of the disassembled parts of the structure of the present invention. In the figure, the bathing tool 10 of the present invention comprises a cleaning object 11, a fixing object 12 coupled to the cleaning object 11, upper and lower contacting members 13, 14 for wrapping the cleaning object 11. The cleaning object 11 could be a general elastically compressible body sponge; the fixing object 12 could be a rope; and the upper and lower contacting members 13, 14 could be made of washed unwoven cloth.

Refer to FIG. 2. In accordance with this invention, the fixing object 12 surrounds the exterior of the cleaning object 11, and preferably surrounds the fixing object 12 at the middle. Then, the upper and lower contact members 13, 14 mutually connect as

shown in FIG. 3. Thermal compression technology is adopted for fixing the joint. The cleaning object 11 is compressed during the connecting process of the upper and lower contacting members 13, 14. The cleaning object 11 compresses to fit the accommodating space 111 and surrounds the fixing object 12, such that the fixing object 12 can be securely coupled into the accommodating space 111 as shown in FIG. 5.

Please refer to FIG. 4 for bathing tool 10 assembly. Since the fixing object 12 is combined with the cleaning object 11 by encompassing the cleaning object 11, the connecting surface is larger than the traditional hole thus giving a more secure connection. The accommodating space 111 produced by the cleaning object 11 during compression further aids connection and will not damage the integrity of the cleaning object 11. Therefore, unlike the traditional improper way of exerting force through a hole, the present invention will not damage the cleaning object 11. The upper and lower contacting members 13, 14 are not directly connected to the fixing object 12 through the combining process; when the fixing object 12 is pulled, the upper and lower contacting members 13, 14 will not break because the upper and lower contacting members 13, 14 are not fixed to their positions.

While the present invention has been described in connection with what is considered the most practical and preferred embodiment, it is understood that the invention is not limited to the disclosed embodiments but is intended to cover various

arrangements included within the spirit and scope of the broadest interpretation and equivalent arrangements.